

MATERIAL SAFETY DATA SHEET

LAUNDRY DETERGENT

No. 1 | Date Issued: 28/01/2014

COMPANY DETAILS			
NAME:	Hygiene Systems (Pty) Ltd	EMERGENCY TEL:	0860 494 4363
ADDRESS:	7 Hargan Road, Jet Park, Boksburg	TEL:	011 552 8403
SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION			
TRADE NAME:	Laundry Detergent		
CHEMICAL FAMILY:	Liquid Laundry Detergent		
CHEMICAL NAME:	Not applicable		
SYNONYMS:	Not applicable		
CHEMICAL ABSTRACT NO.:	Not applicable		
SECTION 2 – COMPOSITION INFORMATION ON INGREDIENTS			
	%	EC NUMBER:	CLASSIFICATION:
DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS NO.: 112-34-5)	1-10		H320

SECTION 3 – HAZARD IDENTIFICATION

MAIN HAZARD:	No specific hazards under normal conditions of use.
FLAMMABILITY:	Non-flammable
CHEMICAL HAZARD:	No specific risk when handled in accordance with good occupational hygiene and safety practice
BIOLOGICAL HAZARD:	No specific risk when handled in accordance with good occupational hygiene safety practice
REPRODUCTIVE HAZARD:	Not known
HEALTH EFFECTS – EYE CONTACT:	Stinging sensation (irritant)
HEALTH EFFECTS – SKIN CONTACT:	Defatting of the skin with prolonged use (irritant)
HEALTH EFFECTS – INGESTION:	Harmful if swallowed. May cause nausea, vomiting and / or diarrhoea.
HEALTH EFFECTS – INHALATION:	Not expected to be a hazard under normal use conditions with good ventilation. However, prolonged use and inhalation may cause headaches, nausea, dizziness and vomiting.


SECTION 4 – FIRST AID MEASURES

PRODUCT IN EYE:	Immediately flush with water for at least 15 minutes or until irritation stops. Seek medical advice.
PRODUCT ON SKIN:	Flush skin with plenty of water and remove any contaminated clothing.
PRODUCT INGESTED:	Do not induce vomiting. Give copious amounts of water to drink. Seek medical attention.
PRODUCT INHALED:	Remove to fresh air. Consult physician, should breathing still be difficult.

SECTION 5 – FIRE RESPONSE MEASURES

EXTINGUISHING MEDIA:	Foam, CO2, powder (as for solvent fires)
SPECIAL HAZARDS:	None
PROTECTIVE CLOTHING:	Self-contained breathing apparatus

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Overalls, boots and gloves
ENVIRONMENTAL PRECAUTIONS:	
SMALL SPILLS:	Flush to approved drain with plenty of water.
LARGE SPILLS:	Absorbed onto inert material and dispose of according to local Municipal regulations. May be buried in an approved landfill site.

SECTION 7 – HANDLING AND STORAGE

SUITABLE MATERIAL:	Polyethylene containers (original container)
HANDLING / STORAGE PRECAUTIONS:	Avoid prolonged contact with skin and contact with eyes. Store in a cool dry place away from oxidizing agents.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:	No test data for the products
ENGINEERING CONTROL MEASURES:	Keep the vapour concentrations below their occupational exposure limits, by providing adequate ventilation.
PERSONAL PROTECTION: (respiratory)	Not required
PERSONAL PROTECTION: (hand)	Rubber gloves if contact is prolonged
PERSONAL PROTECTION: (eye)	Goggles (recommended)
PERSONAL PROTECTION: (skin)	Overalls
OTHER PROTECTION:	Ventilation (local exhaust)
HYGIENE MEASURES:	Wash hands, forearms and face thoroughly after handling product and before eating, smoking and before going home.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, translucent liquid
ODOUR:	That of oranges
pH (as is):	≈ 11.0
BOILING POINT:	< 100°C
FREEZING POINT:	Not determined

FLASH POINT:	Not available
FLAMMABILITY:	Non-flammable
EXPOSURE PROPERTIES:	Not considered as a product that has an explosion risk
OXIDIZING PROPERTIES:	None
VAPOUR PRESSURE:	Not determined
DENSITY @ 20°C:	1.02 ± 0.01/gm ³
SOLUBILITY – WATER:	Soluble
SOLUBILITY – SOLVENT:	Soluble in polar solvents
SOLUBILITY – COEFFICIENT:	This product is more soluble in water
SECTION 10 – STABILITY AND REACTIVITY	
STABILITY:	This product is stable
INCOMPATIBLE MATERIALS:	Strong oxidizing agents
SECTION 11 – TOXICOLOGICAL INFORMATION	
LOCAL EFFECTS:	
SKIN IRRITATION:	Harmful in case of skin contact (irritant)
EYE IRRITATION:	Harmful in case of eye contact (irritant)
ACUTE TOXICITY:	LD ₅₀ (rat): 3,305mg/kg (Diethylene glycol monobutyl ether)
CHRONIC TOXICITY:	Severe eye and skin irritation may be produced with repeated or prolonged contact with concentrated product.
SPECIFIC EFFECTS:	
CARCINOGENIC EFFECTS:	None, as classified by OSHA and NIOSH
SECTION 12 – ECOLOGICAL INFORMATION	
ECO-TOXICITY IN WATER:	Not expected to be harmful to aquatic organisms.
BIODEGRADABILITY:	Biodegradable. If used responsibly, this product is not expected to cause adverse effects to the environment.


SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATION:	Do not re-use containers. Puncture all plastic containers.
DISPOSAL METHODS:	Waste must be disposed of in accordance with local government and environmental control regulations.
WASTE CLASSIFICATION:	No additional information
EUROPEAN WASTE CATALOGUE (EWC):	No known data
HAZARDOUS WASTE:	The classification of this product does not meet the criteria for a hazardous waste.

SECTION 14 – TRANSPORT INFORMATION

INTERNATIONAL TRANSPORT REGULATIONS:						
REGULATORY INFORMATION:	UN NUMBER:	PROPER SHIPPING NAME:	CLASS:	PACKING GROUP:	LABEL:	ADDITIONAL INFORMATION:
ADR/RID CLASS: <i>Land – Road / Railway</i>	Not regulated	-	-	III	-	-
ADN CLASS: <i>Inland – Waterways</i>	Not regulated	-	-	-	-	-
IMDG CLASS: <i>Sea</i>	Not regulated	-	-	-	-	-
IATA-DGR CLASS: <i>Air</i>	Not regulated	-	-	-	-	-

SECTION 15 – REGULATORY INFORMATION

EU REGULATIONS:	
HAZARD SYMBOL(S):	
CLASSIFICATION:	Warning
HAZARD STATEMENTS:	H316 – Causes mild skin irritation H320 – Causes eye irritation H303 – May be harmful if swallowed
PRECAUTIONARY STATEMENTS:	P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: Get medical advice. P302+P350 – If on skin: Gently wash with plenty of water. P301+P312 – If swallowed: Call a doctor if you feel unwell.
PRODUCT USE:	Consumer applications. Classification and labelling have been performed as close as possible according to EU directives 67/548/EEC, 1999/45/EC including any amendments and the intended use.

SECTION 15 – REGULATORY INFORMATION

OTHER SPECIAL CONSIDERATIONS:	No additional remarks.
DISCLAIMER:	<p>Hygiene Systems believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling and possible addition of other chemicals, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for user's consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data to comply with all applicable international, state, and local laws and regulations.</p>